

RAW SEQUENCE LISTING

**The Biotechnology Systems Branch of the Scientific and Technical
Information Center (STIC) no errors detected.**

Application Serial Number: 10/581, 213
Source: ITWP
Date Processed by STIC: 6/9/06

ENTERED



IFWP

RAW SEQUENCE LISTING

DATE: 06/09/2006

PATENT APPLICATION: US/10/581,213

TIME: 10:37:48

Input Set : A:\5185.ST25.txt

Output Set: N:\CRF4\06092006\J581213.raw

```

3 <110> APPLICANT: Bayer Pharmaceuticals Corporation
4     Pauloski, Nicole
5     Liu, Li
7 <120> TITLE OF INVENTION: Gene Expression Profiles and Methods of Use
9 <130> FILE REFERENCE: 5185
C--> 11 <140> CURRENT APPLICATION NUMBER: US/10/581,213
C--> 11 <141> CURRENT FILING DATE: 2006-05-30
11 <150> PRIOR APPLICATION NUMBER: US 60/529,432
12 <151> PRIOR FILING DATE: 2003-12-12
14 <160> NUMBER OF SEQ ID NOS: 37
16 <170> SOFTWARE: PatentIn version 3.3
18 <210> SEQ ID NO: 1
19 <211> LENGTH: 2663
20 <212> TYPE: DNA
21 <213> ORGANISM: Homo sapiens
23 <400> SEQUENCE: 1
24 ccaccatggc tccgcaccgc cccgcgcccgc cgctgctttg cgcgctgtcc ctggcgctgt      60
26 gcgcgctgtc gctgcccgtc cgcgcggcca ctgcgtcgcg gggggcgctc caggcggggg      120
28 cgccccaggg gcgggtgccc gaggcgcggc ccaacagcat ggtggtggaa cccccgagt      180
30 tcctcaaggc aggaaggag cctggcctgc agatctggcg tgtggagaag ttcgatctgg      240
32 tgcccgtgcc caccaacctt tatggagact tcttcacggg cgacgcctac gtcactctga      300
34 agacagtgca gctgaggaac ggaaatctgc agtatgacct ccactactgg ctgggcaatg      360
36 agtgcagcca ggatgagagc ggggcggccg ccactctttac cgtgcagctg gatgactacc      420
38 tgaacggccg ggccgtgcag caccgtgagg tccagggtct cgagtcggcc accttcctag      480
40 gctacttcaa gtctggcctg aagtacaaga aaggaggtgt ggcacagga ttcaagcacg      540
42 tggtagccaa cgagggtggtg gtgcagagac tcttccaggt caaagggcgg cgtgtggtcc      600
44 gtgccaccga ggtacctgtg tcctgggaga gcttcaacaa tggcgactgc ttcactctgg      660
46 acctgggcaa caacatccac cagtgggtgtg gttccaacag caatcggtat gaaagactga      720
48 aggccacaca ggtgtccaag ggcacccggg acaacgagcg gagtggccgg gcccgagtgc      780
50 acgtgtctga ggagggcact gagcccaggg cgatgctcca ggtgctgggc cccaagccgg      840
52 ctctgcctgc aggtaccgag gacaccgcca aggaggatgc ggccaaccgc aagctggcca      900
54 agctctacaa ggtctccaat ggtgcaggga ccatgtccgt ctccctcgtg gctgatgaga      960
56 accccttcgc ccaggggggc ctgaagtcat aggactgctt catcctggac cacggcaaaag     1020
58 atgggaaaaa ctttgtctgg aaaggcaagc aggcaaacac ggaggagagg aaggctgccc     1080
60 tcaaaacagc ctctgacttc atcaccaaga tggactaccc caagcagact caggtctcgg     1140
62 tccttcctga gggcggtgag accccactgt tcaagcagtt cttcaagaac tggcgggacc     1200
64 cagaccagac agatggcctg ggttgtctct acctttccag ccatatcgcc aacgtggagc     1260
66 ggggtgccctt cgacgcgcgc accctgcaca cctccactgc catggccgcc cagcacggca     1320
68 tggatgacga tggcacaggc cagaaacaga tctggagaat cgaaggttcc aacaagggtgc     1380
70 ccgtggaccc tgccacatat ggacagttct atggaggcga cagctacatc attctgtaca     1440
72 actaccgcca tgggtggccgc caggggcaga taatctataa ctggcagggt gccagctcta     1500
74 ccaggatga ggtcgctgca tctgccatcc tgactgctca gctggatgag gagctgggag     1560
76 gtaccctgtt ccagagccgt gtggtccaag gcaaggagcc cgcccacctc atgagcctgt     1620

```

RAW SEQUENCE LISTING

DATE: 06/09/2006

PATENT APPLICATION: US/10/581,213

TIME: 10:37:48

Input Set : A:\5185.ST25.txt

Output Set: N:\CRF4\06092006\J581213.raw

```

78 ttggtgggaa gcccatgata atctacaagg gcggcacctc ccgcgagggc gggcagacag 1680
80 cccctgccag caccgcctc ttccaggtcc gcgccaacag cgctggagcc acccgggctg 1740
82 ttgaggtatt gcctaaggct ggtgcactga actccaacga tgcctttgtt ctgaaaaccc 1800
84 cctcagccgc ctacctgtgg gtgggtacag gagccagcga ggcagagaag acggggggccc 1860
86 aggagctgct caggggtgctg cgggcccac ctgtgcagggt ggcagaaggc agcgagccag 1920
88 atggcttctg ggaggccctg ggcgggaagg ctgcctaccg cacatcccca cggctgaagg 1980
90 acaagaagat ggatgcccat cctcctcgcc tctttgcctg ctccaacaag attggacgtt 2040
92 ttgtgatcga agaggttcct ggtgagctca tgcaggaaga cctggcaacg gatgacgtca 2100
94 tgcttctgga cacctgggac caggtctttg tctgggttgg aaaggattct caagaagaag 2160
96 aaaagacaga agccttgact tctgctaagc ggtacatcga gacggacca gccaatcggg 2220
98 atcggcggac gcccatcacc gtggtgaagc aaggctttga gcctccctcc tttgtgggct 2280
100 ggttccttgg ctgggatgat gattactggt ctgtggaccc cttggacagg gccatggctg 2340
102 agctggctgc ctgaggaggg gcagggccca ccatgtcac cggtcagtgc cttttggaac 2400
104 tgtccttccc tcaaagaggc cttagagcga gcagagcagc tctgctatga gtgtgtgtgt 2460
106 gtgtgtgtgt tgtttctttt tttttttttt acagtatcca aaaatagccc tgcaaaaatt 2520
108 cagagtcctt gcaaaattgt ctaaaatgtc agtgtttggg aaattaaatc caataaaaac 2580
110 attttgaagt gtgaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 2640
112 aaaaaaaaaa aaaaaaaaaa aaa 2663
115 <210> SEQ ID NO: 2
116 <211> LENGTH: 6614
117 <212> TYPE: DNA
118 <213> ORGANISM: Homo sapiens
120 <400> SEQUENCE: 2
121 aacaaaccaa gccgcggcgg tgtccgcggc cctgccgagc cctcggcggt gcctcagaat 60
123 cccccagtcg cctgggcccc tgggtcttga caggccgcgg ccttctgtcc cccggcccca 120
125 gaccagagc cgaggggect gctcgcgtcc ttgtccgccc ggacccctcc ctgcctccta 180
127 gagttcgggg ccgcggcggg cgggcgcccg ggacgcgggc ggttgtgtcg gcttagcggg 240
129 gccgaatggg cggttggtaa ccgctgccga ggactaggcg gcggcggaag atggtgccgg 300
131 gggtcgctgg ctctgtgctg gccgcggcgg aaggaggagg cgttgccggg tttctgagtt 360
133 taaccagtaa tgccattcag ttgccaatct caagcaaagc aaacataagc cagttttaat 420
135 ctacttttta agaaaagtgg tagtcctttt cacagtgcct gacgtaactg tatcagaggg 480
137 tgaggtataa gtcacagaa ttcagataaa tcatcatgaa gttatatgta tttctggtta 540
139 aacttggaac tactctaaca tttgacactg aacttacagt gcaaactgtg gcagacctta 600
141 agcatgccat tcaaagcaaa tacaagattg ctattcaaca ccagggtgctg gtggtcaatg 660
143 gaggagaatg catggctgca gatcgaagag tgtgtacctc cagtgtcggg acggatacaa 720
145 atccaatttt tctttttaac aaagaaatga tcttatgtga tcgtccacct gctattccta 780
147 aaactacctt ttcgacagaa aatgacatgg aaataaaagt tgaagaatct cttatgatgc 840
149 ctgcagtttt tcatactgtt gcttcaagga cacagcttgc attggaaatg tatgaagttg 900
151 ccaagaaact ttgttctttt tgtgaaggtc ttgtacatga tgaacatctt caacaccaag 960
153 gctgggctgc aatcatggcc aacctggagg actgttcaaa ttcataccaa aagctacttt 1020
155 tcaagtttga aagtatttat tcaaattatc tgcagtccat agaagacatc aagttaaaac 1080
157 ttactcattt aggaactgca gtttcagtaa tggccaagat tccactgttg gagtgcctaa 1140
159 ccagacatag ttacagagaa tgtttgggaa gactggattc tttacctgaa catgaagact 1200
161 cagaaaaagc tgagacgaaa agatccactg aactggtgct ctctcctgat atgcctagaa 1260
163 caactaacga atctttgtta acctcatttc ccaagtcagt ggaacatgtg tccccagata 1320
165 ccgcagatgc tgaaagtggc aaagaaatta gggaaatctt tcaaagtact gttcatcagc 1380
167 aagatgaaac tacgattgac actaaagatg gtgatctgcc cttttttaat gtctctttgt 1440
169 tagactggat aaatgttcaa gatagacctc atgatgtgga atctttggtc aggaagtgtc 1500
171 ttgattctat gacgaggctt gatccaagga ttattcgacc atttatagca gaatgccgtc 1560

```

RAW SEQUENCE LISTING

DATE: 06/09/2006

PATENT APPLICATION: US/10/581,213

TIME: 10:37:48

Input Set : A:\5185.ST25.txt

Output Set: N:\CRF4\06092006\J581213.raw

173	aaactattgc	caaacttgat	aatcagaata	tgaaagccat	taaaggactt	gaagatcggc	1620
175	tctacgccct	ggaccagatg	attgctagct	gtggccgact	ggtgaatgaa	cagaaagagc	1680
177	ttgctcaggg	atTTTTtagct	aatcagaaga	gagctgaaaa	cttaaaggat	gcctctgtat	1740
179	tacctgattt	atgcctgagt	cacgcaaata	agttgatgat	tatgttgcaa	aatcatagaa	1800
181	aactgtttaga	tattaagcag	aagtgtacca	ctgccaaaaca	agaactagca	aataacctac	1860
183	atgtcagact	gaagtgggtg	tgctttgtaa	tgcttcatgc	tgatcaagat	ggagagaagt	1920
185	tacaagcttt	gctccgcctc	gtaataagagc	tgttagaaaag	agtcaaaatt	gttgaagctc	1980
187	ttagtacagt	tcctcagatg	tactgccttag	ctgttggtga	ggttgtaaga	agaaaaatgt	2040
189	tcataaaaaca	ctacagggag	tgggctggtg	ctttagtcaa	agatggaaaag	agattatatg	2100
191	aagcagaaaa	atcaaaaagg	gaatcctttg	ggaaattatt	taggaagtct	tttttaagaa	2160
193	atcgtctgtt	taggggactg	gactcctggc	ccccctcctt	ttgtactcaa	aagcctcgaa	2220
195	agtttgactg	tgaacttcca	gatatttcat	taaaagattt	acagtttctg	caatcatttt	2280
197	gtccttcgga	agttcagcca	ttcctcaggg	ttcccttact	ttgtgacttt	gaacctctac	2340
199	accagcatgt	acttgctcta	cataatttgg	taaaagcagc	acaaagtttg	gatgaaatgt	2400
201	cacagaccat	tacagatcta	ctgagtgaac	aaaaggcatc	tgtgagtcag	acatccccac	2460
203	agtctgcttc	ttcaccaagg	atggaaaagta	cagcaggaat	tacaactact	acctcaccga	2520
205	gaactcctcc	accactgact	gttcaggatc	ccttatgtcc	tgcagtttgt	cccttagaag	2580
207	aattatctcc	agatagtatt	gatgcacata	cgtttgattt	tgaaactatt	ccccatccaa	2640
209	acatagaaca	gactattcac	caagtttctt	tagacttgga	ttcattagca	gaaagtcttg	2700
211	aatcagattt	tatgtctgct	gtgaatgagt	ttgtaataga	agaaaatttg	tcgtctccta	2760
213	atcctataag	tgatccacaa	agcccagaaa	tgatggtgga	atcactttat	tcactcagtt	2820
215	tcaatgcatg	agacagtaga	cgaatgcagg	atacaaatgt	atgtggtgag	gaggattttg	2880
217	gagatcatac	ttctctgaat	gtccagttgg	aaagatgtag	agttggtgcc	caagactctc	2940
219	acttcagtat	acaaaccatt	aaggaagacc	tttgccactt	tagaacattt	gtacaaaaag	3000
221	aacagtgtga	cttctcaaat	tcattaaaaat	gtacagcagt	agaaataaga	aacattattg	3060
223	aaaaagtaaa	atgttctctg	gaaataaacac	taaaagaaaa	acatcaaaaa	gaactactgt	3120
225	cttttaaaaa	tgaatatgaa	ggtaaacttg	acggactaat	aaaggaaaact	gaagagaatg	3180
227	aaaacaaaaat	taaaaaattg	aaggagagat	tagtatgcct	tgaggagggt	ttacaaaata	3240
229	aagataatga	atttgctttg	gttaaacatg	aaaaagaagc	tgtaatctgc	ctgcagaatg	3300
231	aaaaggatca	gaagttgtta	gagatggaaa	atataatgca	ctctcaaaat	tgtgaaatta	3360
233	aagaactgaa	gcagtcacga	gaaatagtgt	tagaagactt	aaaaaagctc	catgttgaaa	3420
235	atgatgagaa	gttacagtta	ttgagggcag	aacttcagtc	cttgagcaa	agtcacttaa	3480
237	aggaattaga	ggacacactt	cagggttaggc	acatacaaga	gtttgagaag	gttatgacag	3540
239	accacagagt	ttctttggag	gaattaaaaa	agggaaaacca	acaaataatt	aatcaaatat	3600
241	aagaatctca	tgctgaaatt	atccaggaaa	aagaaaaaca	gttacaggaa	ttaaaactca	3660
243	aggttttctga	tttgtcagac	acgagatgca	agtttagagg	tgaacttgcg	ttgaaggag	3720
245	cagaaactga	tgaaataaaa	atTTTgtctg	aagaaagcag	agcccagcag	aaggagacct	3780
247	tgaaatctct	tcttgaacaa	gagacagaaa	atTTtgagaac	agaaattagt	aaactcaacc	3840
249	aaaagattca	ggataataat	gaaaattatc	aggTgggctt	agcagagcta	agaactttaa	3900
251	tgacaattga	aaaagatcag	tgtatttccg	agtttaattag	tagacatgaa	gaagaatcta	3960
253	atataacttaa	agctgaatta	aacaaagtaa	catctttgca	taaccaagca	tttgaaatag	4020
255	aaaaaaacct	aaaagaacaa	ataattgaac	tgacagagtaa	attggattca	gaattgagtg	4080
257	ctcttgaaag	acaaaaagat	gaaaaaatta	cccaacaaga	agagaaatac	gaagctatta	4140
259	tcagaacct	tgagaaagac	agacaaaaat	tggtcagcag	ccaggagcaa	gacagagaac	4200
261	agtttaattca	gaagcttaat	tgtgaaaaag	atgaagctat	tcagactgcc	ctaaaagaat	4260
263	ttaaatttga	gagagaagtt	gttgagaaaag	agttattaga	aaaagttaaa	catcttgaga	4320
265	atcaaatagc	aaaaagtcct	gccattgact	ctaccagagg	agattcttca	agcttagttg	4380
267	ctgaacttca	agaaaagctt	caggaagaaa	aagctaagtt	tctagaacaa	cttgaagagc	4440
269	aagaaaaaag	aaagaatgaa	gaaatgcaaa	atgttcgaac	atctttgatt	gcggaacaac	4500

RAW SEQUENCE LISTING

DATE: 06/09/2006

PATENT APPLICATION: US/10/581,213

TIME: 10:37:48

Input Set : A:\5185.ST25.txt

Output Set: N:\CRF4\06092006\J581213.raw

```

271 agaccaattt taacactgtt ttaacaagag agaaaatgag aaaagaaaac ataataaatg 4560
273 atcttagtga taagttgaaa agtacaatgc agcaacaaga acgggataaa gatttgatag 4620
275 agtcactttc tgaagatcga gctcgtttgc ttgaggaaaa gaaaaagctt gaagaagaag 4680
277 tcagtaagtt gcgcagtagc agttttgttc cttcaccata tgtagctaca gcccagaac 4740
279 tttatggagc ttgtgcacct gaactcccag gtgaatcaga tagatccgct gtggaaacag 4800
281 cagatgaagg aagagtggat tcagcaatgg agacaagcat gatgtctgta caagaaaata 4860
283 ttcatatggt gtctgaagaa aaacagcggg taatgctgtt agaacgaaca ttgcaattga 4920
285 aagaagaaga aaataaacgg ttaaatacaa gactgatgtc tcagagcatg tcttcagtat 4980
287 cttcaaggca ttctgaaaag atagctatta gagattttca ggtgggagat ttggtactca 5040
289 tcctcctaga cgaacgccat gacaattatg tgttatttac tgttagtctt actttatatt 5100
291 ttctacattc agagtctcta cctgccctgg atctcaaacc agcttcaggt gcatctagaa 5160
293 gaccctgggt actcggaaaa gtaatggaaa aagaatactg tcaagccaaa aaggcacaaa 5220
295 acagatttaa agttcctttg gggacaaagt ttacagagt gaaagccgta tcatggaata 5280
297 agaaagtata acttatggac aaaattaata cattctatga ctttttttcc tgatttgtcc 5340
299 tgcagtgtc attcatcact ccaaaaacag caggccatct ttttatgcaa aagtcagcgt 5400
301 gacaatatac ttcactgggtg tacatcgttt actttttaac tggcttcatt ttaggaataa 5460
303 taaattcatc agaatccttg gctgaattaa aatgggtttt gtttttttgt tttttttttt 5520
305 acccagacaa ctctagaaat gcggaccaa ctacttcatt ttctcaaagg gcataccttg 5580
307 tgcattgttg cttatgatga gccatattaa ttgcctgtta aatatacact agcttgaact 5640
309 tagatgttaa atgttattat taccagcatt tgccttttg tgaaatcagt atcagaatac 5700
311 ttgactctt taacacattc ttataaaaat gtataaatta ttcagaacta tttaaaataa 5760
313 agaggagtgt tattgcatgc tgataatcat tttgagtttg cctcagtaga tactaaagca 5820
315 aattgtttca gtttttttaa atgccctttg atgtttcaaa aaaaaaagg aactgtaatt 5880
317 tgattgactg attttaagat cagccataag taatcagcaa tcttcaaaag cactttcagt 5940
319 ggattgggtc tctgggttct aaagggaaga gtctgtgcta ctaaccattt caaatgcaga 6000
321 ctcaaaccct cccaacatct ttatgactct agaataatca tattgatgaa atcgtaattc 6060
323 atggttgagt ttcagaacaa aagatattca ttgcacatta accatttaga ggtcatttaa 6120
325 ataacaaaat attgtattgt aaaagaactg tacaatttta aaacaataaa gatttgaacc 6180
327 tgtaaatgtg tgtgcctttt aaagaaggat acatttttaa tatatttgag tgattgctgg 6240
329 gaagtgtgaa aatattgtta tgtatcatat caaagagaaa catgtttatt acaaaaatgt 6300
331 tctttaacta tatactatgt aacagggtaa acagtgttat gtagaataga attgtgtaaa 6360
333 ctagatcttt agagaagttg ccattgagca aagttattta aatgagttag ttgagttgga 6420
335 tgagaattgt ttgaggtttg ttgctagaga acaataataa aataattctt tttcagaaaa 6480
337 tatttaattt cttcataaaa ataagttaaa ttttttttta aatatgtata tctaatagta 6540
339 caaatggaa taaacatcat agtgtataga aaactgaatt tgacaagtta atgaataaat 6600
341 gaacaaatga tttc 6614
344 <210> SEQ ID NO: 3
345 <211> LENGTH: 2281
346 <212> TYPE: DNA
347 <213> ORGANISM: Homo sapiens
349 <400> SEQUENCE: 3
350 agctgaggtg tgagcagctg ccgaagtcag ttccttggtg agccggagct gggcgcggt 60
352 tcgccgaggc accgaggcac tcagaggagg tgagagagcg gcggcgagca acaggggacc 120
354 ccgggcccgc ggcccagagc cgagccaagc gtgcccgctg gtgtccctgc gtgtccgcga 180
356 ggatgcgtgt tcgcgggtgt gtgctgcgtt cacaggtgtt tctgcggcag gcgccatgtc 240
358 agaaccggct ggggatgtcc gtcagaacct atgcggcagc aaggcctgcc gccgcctctt 300
360 cggcccagtg gacagcgagc agctgagccg cgactgtgat gcgctaattg cgggctgcat 360
362 ccaggaggcc cgtgagcgat ggaacttcga ctttgtcacc gagacaccac tggaggggtga 420
364 cttcgccctg gagcgtgtgc ggggccttgg cctgcccaag ctctaccttc ccacggggcc 480

```

RAW SEQUENCE LISTING

DATE: 06/09/2006

PATENT APPLICATION: US/10/581,213

TIME: 10:37:48

Input Set : A:\5185.ST25.txt

Output Set: N:\CRF4\06092006\J581213.raw

```

366 cgggcgagggc cgggatgagt tgggaggagg caggcggcct ggcacctcac ctgctctgct 540
368 gcagggggaca gcagaggaag accatgtgga cctgtcactg tcttgtaccc ttgtgcctcg 600
370 ctgaggggag caggctgaag ggtccccagg tggacctgga gactctcagg gtcgaaaacg 660
372 gcggcgagacc agcatgacag atttctacca ctccaaacgc cggtgatct tctccaagag 720
374 gaagccctaa tccgcccaca ggaagcctgc agtcctggaa gcgcgagggc ctcaaaggcc 780
376 cgctctacat cttctgcctt agtctcagtt tgtgtgtctt aattattatt tgtgttttaa 840
378 ttttaaacacc tctcatgta cataccctgg ccgccccctg cccccagcc tctggcatta 900
380 gaattatttta aacaaaaact aggcggttga atgagaggtt cctaagagtg ctgggcattt 960
382 ttatttttatg aaatactatt taaagcctcc tcatcccggtg ttctcctttt cctctctccc 1020
384 ggaggttggg tgggcccggct tcatgccagc tacttctctc tccccacttg tccgctgggt 1080
386 ggtaccctct ggaggggtgt ggctccttcc catcgctgtc acaggcgggt atgaaattca 1140
388 ccccttttcc tggacactca gacctgaatt ctttttcatt tgagaagtaa acagatggca 1200
390 ctttgaaggg gcctcaccga gtgggggcat catcaaaaac tttggagtcc cctcacctcc 1260
392 tctaaggttg ggcagggtga ccctgaagtg agcacagcct agggctgagc tggggacctg 1320
394 gtaccctcct ggctcttgat accccctct gtcttgtgaa ggcaggggga aggtggggtc 1380
396 ctggagcaga ccaccccgcc tgccctcatg gccctctga cctgcactgg ggagcccgct 1440
398 tcagtgttga gccttttccc tctttggctc ccctgtacct tttgaggagc cccagctacc 1500
400 cttcttctcc agctgggctc tgcaattccc ctctgtctgt gtccctcccc cttgtccttt 1560
402 cccttcagta ccctctcagc tccaggtggc tctgaggtgc ctgtcccacc cccaccccca 1620
404 gctcaatgga ctggaagggg aagggaacaca caagaagaag ggcaccctag ttctacctca 1680
406 ggcagctcaa gcagcgaccg cccctcctc tagctgtggg ggtgagggtc ccatgtgggt 1740
408 gcacaggccc ctttgagtgg ggttatctct gtgttagggg tatatgatgg gggagtagat 1800
410 ctttctagga gggagacct ggccctcaa atcgctccag gaccttctc atccaccca 1860
412 tccctcccca gttcattgca ctttgattag cagcggaaca aggagtcaga cattttaaga 1920
414 tgggtggcagt agaggctatg gacagggcat gccacgtggg ctcatatggg gctgggagta 1980
416 gttgtcttct ctggcactaa cgttgagccc ctggaggcac tgaagtgtt agtgtacttg 2040
418 gagtattggg gtctgacccc aaacaccttc cagctcctgt aacatactgg cctggactgt 2100
420 tttctctcgg ctccccatgt gtcttggttc ccgtttctcc acctagactg taaacctctc 2160
422 gagggcaggg accacacct gtactgttct gtgtctttca cagctcctcc cacaatgctg 2220
424 aatatacagc aggtgtctca taaatgattc ttagtgactt taacaaaaaa aaaaaaaa 2280
426 a 2281
429 <210> SEQ ID NO: 4
430 <211> LENGTH: 2140
431 <212> TYPE: DNA
432 <213> ORGANISM: Homo sapiens
434 <400> SEQUENCE: 4
435 agctgaggtg tgagcagctg ccgaagtcag ttccttgtgg agccggagct gggcgaggat 60
437 tcgccgaggg accgaggcac tcagaggagg cgccatgtca gaaccggctg gggatgtccg 120
439 tcagaaccca tcgggcagca aggcctgccg ccgcctcttc ggcccagtg acagcgagca 180
441 gctgagccgc gactgtgatg cgctaattgg gggctgcata caggaggccc gtgagcgatg 240
443 gaacttcgac tttgtaccg agacaccag ggagggtgac ttgcctggg agcgtgtgcg 300
445 gggccttggc ctgcccgaagc tctaccttcc cagggggccc cggcgaggcc gggatgagtt 360
447 gggaggaggc aggcggcctg gcacctcacc tgcctctgct caggggacag cagaggaaga 420
449 ccatgtggac ctgtcactgt cttgtaccct tgtgcctcgc tcaggggagc aggtgaagg 480
451 gtccccaggt ggacctggag actctcaggg tcgaaaacgg cggcagacca gcatgacaga 540
453 tttctaccac tccaaacgcc ggctgatctt ctccaagagg aagccctaata ccgccacag 600
455 gaagcctgca gtcttgaag cgcgagggcc tcaaaggccc gctctacatc ttctgcctta 660
457 gtctcagttt gtgtgtctta attattattt gtgttttaata ttaaacacct cctcatgtac 720
459 ataccctggc cgccccctgc cccccagcct ctggcattag aattatttaa acaaaaacta 780

```

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/581,213

DATE: 06/09/2006

TIME: 10:37:49

Input Set : A:\5185.ST25.txt

Output Set: N:\CRF4\06092006\J581213.raw

L:11 M:270 C: Current Application Number differs, Replaced Current Application No

L:11 M:271 C: Current Filing Date differs, Replaced Current Filing Date